

CLAIMS

1. A rotating electric motor (5) for operating an electric component, said motor (5) being adapted for an operating
5 movement during a limited predetermined angular motion of the rotor of the motor (5), said motor comprising an electric drive circuit (6) for the winding of the motor, characterized in that the electric circuit (6) exhibits at least one branch comprising an electric energy bank (7) and
10 a thyristor (9) which are connected in series with the stator winding.
2. A rotating electric motor according to claim 1, characterized in that the energy bank comprises capacitor
15 means (9).
3. A rotating electric motor according to claim 1 or 2, characterized in that each branch comprises a diode (8) connected in parallel with the energy bank (9).
20
4. A rotating electric motor according to claim 1 or 2, characterized in that the thyristor (9) is adapted to be turned off when the rotor has carried out less than a good half of the angular motion.
25
5. A rotating electric motor according to claim 4, characterized in that the thyristor (9) is adapted to be turned on again after having been turned off in order to achieve the braking phase.
30
6. A rotating electric motor according to claims 1-5, characterized in that said angular motion is in the interval of 155°-205°.
- 35 7. A rotating electric motor according to claim 6, characterized in that said angular motion is about 180°.

8. A rotating electric motor according to any of claims 1-7, characterized in that the thyristor is arranged to remain turned on until the energy bank is exhausted.
- 5 9. A rotating electric motor according to any of claims 1-8, characterized in that the drive circuit comprises three of said branches (6a,6b,6c) which are connected in parallel.
- 10 10. A rotating electric motor according to any of claims 1-9, characterized in that the motor (5) is a single-phase motor.
- 15 11. A rotating electric motor according to any of claims 1-10, characterized in that the rotor of the motor (5) is a permanent-magnetic rotor.
12. A rotating electric motor according to any of claims 1-11, characterized in that the rotor is a two-pole rotor.
- 20 13. A method for operating an electric component by means of a rotational movement achieved by a rotating electric motor, the rotor of which is connected to the electric component, whereby the motor is brought to carry out a limited predetermined angular motion by driving a current through the
- 25 winding of the motor, characterized in that the motor winding is connected to an energy bank via a thyristor.
14. A method according to claim 13, characterized in that it is carried out while using a rotating electric motor according to any of claims 1-9.
- 30 15. Use of a rotating electric motor according to any of claims 1-12 for breaking or making a current.
- 35 16. An electric switch, characterized in that the operating device of the switch comprises a rotating electric motor (5) according to any of claims 1-12.